was amended on

FINNEGAN (VA)

;0351571601 2/15 NU. 024V

> Customer Number 22,852 Attorney Docket No. Page 1 of 4

### DECLARATION AND POWER OF ATTORNEY

As a below named ir wentor, I hereby declars that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (If only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND SYSTEM OF PROCESSING EXHAUST GAS, AND METHOD AND APPARATUS OF SEPARATING CARBON DIOXIDE the specification of which is attach ed and/or was filed on Section 2, 2005s United States Application Serial No. 10/591525 and/
was filed on March 2, 2005as PCT International Application No.PCT/JP2005/3443nd

I hereby state that I have reviewed and understand the contents of the above-Identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR & 1.56.

(if applicable),

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
Japan	2004-57603	March 2, 2004	X YES NO
Japan	2004-57604	March 2, 2004	DX YES NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filling date of the prior application(s) and the national or PCT International filling date of this application:

Application Number	Date of Filing	Status (Petented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

# FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may Jeopardize the validity of the application or any patent issuing thereon.

was amended on

Customer Number 22,852 Attorney Docket No. Page 2 of 4

### DECLARATION AND POWER OF ATTORNEY

As a below named in ventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND SYSTEM OF PROCESSING EXHAUST GAS, AND METHOD AND APPARATUS OF SEPARATING CARBON DIOXIDE the specification of which Is attached and/or was filed on September 1, 200gs United States Application Serial No. 10/591525 and/or Was filed on March 2, 2005as PCT International Application No.PCT/JP2005/3449nd

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

(if applicable).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed;

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
Japan	2004-91852	March 26, 2004	YES NO
Japan	2004-91853	March 26, 2004	☐ YES □ NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filling

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

# FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FINNEGAN (VA)

;0351571601 # 4/15 NU. 024U r. 5

> Customer Number 22,852 Attorney Docket No. Page 3 of

Full Name of First Inventor	Inventor's Signature	Date
Yoshio HIRANO	YOSHIO HIRANO	2007. 7. K
Residence 4-33 Komachi, Naka-ku,	Hiroshima-shi, Hiroshima	Chizenship Japan
Post Office Address c/o THE CHUGOKU ELECTRIC PO Hiroshima 730—8701 Japan	WER CO., INC., 4-33, Komachi, Nako	a-ku, Hiroshima-shi,

Full Name of Second Inventor		Inventor's Signature	Date
Kenji HIKINO		leenji. Hileino	2007.7.3
Residence			Citizenship
4-33 kan	achi, Halco	i-ku, Hiroshima-shi, Hinos	shima Japan
Post Office Address c/o THE CHUGO Hiroshima 730		OWER CO., INC., 4-33, Komachi, N	aka-ku, Hiroshima-shi,

Full Name of Third Inventor Mitsugu KAKUTANI	Inventor's Signature Mitsugu KAKUTANI	Date 2007. 7.2
Residence 4-33 komachi, Haka-	Ku, Hiroshima-shi, Hiroshima	Citizenship Japan
Post Office Address c/o THE CHUÇOKU ELECTRIC Hiroshima 730-8701 Japan	POWER CO., INC., 4-33, Komachi, Naka	a-ku, Hiroshima-shi,

Inventor's Signature	Date
	Citizenship
	Japan
RIFS, LID. Hiroshima Research	& Develop ment Center, hi, Hiroshima 733-8553 Japan
	RIFS, LID. Hiroshima Research

Customer Number 22,852 Attorney Docket No. Page 4 of 4

Full Name of Fifth Inventor	Inventor's Signature	Date
Subumu TSUNEOKA		Da/6
Oldermina 1000 magness -		
Residence		Citizenship
		Japan
Post Office Address		
c/o MITSUBISHI HEAVY INDUST	RIES, LTD. Nagasaki Shipyard	& Machinery Works, 1-1,
Akunoura-machi, Nagasaki-sh	1, Nagasaki 850-0010 Japan	
Full Name of Sixth Inventor	Inventor's Signature	Date
		2012
Residence		Cilizenship
	·	· •
Post Office Address		
	•	j
	-	
Call Manager Council Inventor		
Full Name of Seventh Inventor	Inventor's Signature	Date
		·
Residence		
Kesidaire		Citizenship
Post Office Address		
	<u>-</u>	
-		
Full Name of Eighth Inventor	I Invested Chapture	
Lating of Eighti harmon	Inventor's Signature	Date
Residence		Citizenship
Modicino	7	Cluzenship
Post Office Address		
. 001 011100 / 1001000		

was amended on

Customer Number 22,852 Attorney Docket No. Page 1 of 4

#### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next
to my name; ) believe I arm the original, first, and sole inventor (if only one name is listed below) or an original flow and initial
inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the
invention entitled:
METHOD AND SYSTEM OF PROTESSING EVUNITOR CAS AND ASSESSED ASSESSED AND ASSESSED ASSESSED AND ASSESSED ASSE

The specification of which

is attached and/or

Was filed on September 1, 2006s United States Application Serial No.10/591525

was filed on March 2, 2005s PCT International Application No.PCT/JP2005/3449nd

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

(if applicable).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed;

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
Japan	2004-57603	March 2, 2004	X YES NO
Japan	2004-57604	March 2, 2004	X YES NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filling date of the prior application(s) and the national or PCT International filling date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

## FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Customer Number 22,852
Attorney Docket No.
Page & of 4

#### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I arm the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

wention entitled:

METHOD AND SYSTEM OF PROCESSING EXHAUST GAS, AND METHOD AND APPARATUS OF SEPARATING

CARBON DIOXIDE

the specification of which

is attached and/or

was filed on September 1, 2006as United States Application Serial No.10/591525

was filed on March 2, 2005as PCT International Application No.PCT/JP2005/3442nd

was amended on (If applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
Japan	2004-91852	March 26, 2004	YES NO
Japan	2004-91853	March 26, 2004	YES NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

## FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Customer Number 22,852 Attorney Docket No. Page 3 of

Full Name of First Inverstor	Inventor's Signature	Date
Yoshio HIRANO		
Residence		Citizenship
		Japan
Post Office Address c/o THE CHUGOKU ELECTRIC PO Hiroshima 730-8701 Japan	OWER CO., INC., 4-33, Komachi, N	Naka-ku, Hiroshima-shi,
and the contract of the contra		
Full Name of Second Inventor	Inventor's Signature	Date
Kenji HIKONO		
Residence		Citionakin
/calucité		Citizenship
Post Office Address		Japan
C/O THE CHUGOKU ELECTRIC PO Hiroshima 730-8701 Japan	OWER CO., INC., 4-33, Komachi, I	Naka-ku, mrosmma-sm,
Full Name of Third Inventor	I Inventor's Signature	Data
Full Name of Third Inventor Mitsugu KAKUTANI	Inventor's Signature	Date
Mitsugu KAKUTANI	Inventor's Signature	Date  Citizenship
Full Name of Third Inventor  Mitsugu KAKUTANI  Residence	Inventor's Signature	
Mitsugu KAKUTANI Residence Post Office Address	Inventor's Signature  POWER CO., INC., 4-33, Komachi,	Citizenship Japan
Mitsugu KAKUTANI  Residence  Post Office Address  c/o THE CHUGOKU ELECTRIC I		Citizenship Japan
Mitsugu KAKUTANI  Residence  Post Office Address  c/o THE CHUGOKU ELECTRIC I Hiroshima 730-8701 Japan	POWER CO., INC., 4-33, Komachi,	Citizenship Japan Naka-ku, Hiroshima-shi,
Mitsugu KAKUTANI  Residence  Post Office Address  c/o THE CHUGOKU ELECTRIC I Hiroshima 730-8701 Japan  Full Name of Fourth Inventor	POWER CO., INC., 4-33, Komachi,	Citizenship Japan Naka-ku, Hiroshima-shi, Date
Mitsugu KAKUTANI  Residence  Post Office Address  c/o THE CHUGOKU ELECTRIC I Hiroshima 730-8701 Japan  Full Name of Fourth Inventor Yoshio SETKI	POWER CO., INC., 4-33, Komachi,	Citizenship Japan  Naka-ku, Hiroshima-shi,  Date 29.06.2007

07-07-18;02:32PM;一色国際特許業務法人

Customer Number 22,852 Attorney Docket No. Page 4 Of

Full Name of Fifth Inventor	Inventor's Signature	Date
Susumu TSUNEOKA	Susumu Tsuneoku	28.06. 2007.
Residence		Citizenship
Nagasaki, Japan		Japan
Post Office Address c/o MITSUBISHI HEAVY INDUST Akunoura-machi, Nagasaki-sh	RIES, LTD. Nagasaki Shipyard & Ma ni, Nagasaki 850-8610 Japan	achinery Works, 1-1,
Full Name of Sixth Inventor	inventor's Signature	Date
Residence		Citizenship
Post Office Address		
	·	
Full Name of Seventh Inventor	Inventor's Signature	Date
Residence		Citizenship
·		
Post Office Address		
		•
	·	
Full Name of Eighth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
- Car Gilled Fideland		